

COMMUNICATION CHANNEL CALIBRATION FOR DRIFT CONDITIONS

ABSTRACT

[0108] A method and system provides for execution of calibration cycles from time
5 to time during normal operation of the communication channel. A calibration cycle
includes de-coupling the normal data source from the transmitter and supplying a
calibration pattern in its place. The calibration pattern is received from the
communication link using the receiver on the second component. A calibrated value of a
parameter of the communication channel is determined in response to the received
10 calibration pattern. The steps involved in calibration cycles can be reordered to account
for utilization patterns of the communication channel. For bidirectional links, calibration
cycles are executed which include the step of storing received calibration patterns on the
second component, and retransmitting such calibration patterns back to the first
component for use in adjusting parameters of the channel at first component.